

Message Text

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ACTION OES-09

INFO OCT-01 EA-12 ISO-00 AID-05 CEA-01 CIAE-00 COME-00
DODE-00 EB-08 H-02 INR-10 INT-05 L-03 NSAE-00
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INFO DOE WASHDC
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UNCLAS TOKYO 12713

DOE FOR OFFICE OF INDUSTRIAL ENERGY CONSERVATION

E.O. 11652: N/A
TAGS: TECH, ENRG, JA
SUBJECT: KIMITSU INTEGRATED INFORMATION SYSTEM, NIPPON
STEEL

REF: STATE 131453

1. NIPPON STEEL HAS INFORMED US THAT KIIS IS A SYSTEM
FOR INTEGRATED PRODUCTION MANAGEMENT AND IS NOT INTENDED
PRIMARILY TO ACHIEVE ENERGY CONSERVATION. FURTHERMORE,
IT WAS BUILT INTO PLANT AT TIME OF PLANT CONSTRUCTION
AND IS NOT A RETROFIT.

2. AT KIMITSU WORKS, ENERGY CONSERVATION IS BEING
ACHIEVED UNDER "ENERGY CENTER" OPERATIONS. OVERALL ENERGY
CONSERVATION RECORD AT NIPPON STEEL PLANTS HAS BEEN
ENCOURAGING. FOR FISCAL YEAR 1977 (APRIL 1977 TO MARCH
1978), ENERGY SAVINGS ACHIEVED REPORTEDLY STOOD AT NEARLY
8 PER CENT (7 PER CENT FOR FIRST HALF AND 8.6 PER CENT
FOR LATTER HALF OF FISCAL YEAR) OF AMOUNT OF ENERGY

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CONSUMED PER TON OF CRUDE STEEL IN FISCAL YEAR 1973. THE
TARGET FOR FIRST HALF OF THE CURRENT FISCAL YEAR IS
8.8 PER CENT, BUT IN LIGHT OF THE RECORD FOR THE SECOND
HALF OF PREVIOUS FISCAL YEAR (8.6 PER CENT), THERE IS
POSSIBILITY OF NIPPON STEEL ACHIEVING 10 PER CENT ENERGY
SAVINGS IN THE NEXT FISCAL YEAR. IN 1973, NIPPON STEEL
CONSUMED 5.1 MILLION KCAL PER TON OF CRUDE STEEL. IN

JANUARY 1974, THE FIRM LAUNCHED PROGRAM AIMED AT ACHIEVING 10 PER CENT ENERGY SAVINGS BY FISCAL YEAR 1980. NORMALLY, AN INTEGRATED IRON AND STEEL WORKS CONSUMES APPROXIMATELY 6 MILLION KCAL OF ENERGY PER TON OF CRUDE STEEL. ENERGY SAVINGS HAVE BEEN ACHIEVED THROUGH INCREASED USE OF COKE OVEN BY-PRODUCT GAS FOR BLAST FURNACE FUEL, IMPROVED CONVERTER GAS RECOVERY, WASTE HEAT RECOVERY AND UTILIZATION, AND EXPANDED CONTINUOUS CASTING IN STEEL MAKING. IN TERMS OF MONETARY VALUE, ENERGY SAVINGS ACHIEVED FROM 1974-1976 AMOUNTED TO ABOUT YEN 30 BILLION.

3. BROCHURES DESCRIBING KIMITSU WORKS IN GENERAL AND KIIS IN PARTICULAR WILL BE AIRPOUCHED TO DEPARTMENT FOR TRANSMISSION TO DOE OFFICE OF INDUSTRIAL ENERGY CONSERVATION.

4. NIPPON STEEL IS WILLING TO RECEIVE DOE VISITORS AT KIMITSU FOR DISCUSSION/INSPECTION ON KIIS AND/OR ENERGY SAVING PROGRAMS.

5. EMBASSY REGRETS DELAY IN RESPONDING TO REFTEL. WE HAD TO GO THROUGH A NUMBER OF ITERATIONS TO GET TERMINOLOGY STRAIGHTENED OUT. MANSFIELD

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